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21 February 1962

## MEMORANDUM FOR THE RECORD

SUBJECT : Updated Cost Estimate of System X

1. An updated cost estimate of one System X is as follows:  
 (including back-up spare)

vhf-uhf system	\$270,000
50 to 1,000 ms	
 Micro-wave system	300,000
special S-band parametric system	100,000
 Overseas support	70,000
 Field Testing	30,000
 Antenna design, testing & fabrication	
included additional design on 50 -	
1000 ms log periodic if needed	250,000
 Demultiplexer & sync generator for play	
back units -- 2 sets	25,000
 Recorders -- 2 - AR-200, 1 - FR-600	110,000
 50 - 400 ms log periodic antennas	75,000
 Aircraft quieting & installation	20,000
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	\$1,250,000

2. If it is decided not to include the X band portion of the microwave system, the reduction in cost will be \$75,000.

3. A net savings of \$22,000 may be obtained by purchasing the recorders directly and furnishing them GFE. Additional savings can be achieved if this capability is available in house.

4. The overseas support function proposed in the contract should probably be placed under our standard T. & M. service contract which is presently active.

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5. The cost of the antenna system may be reduced if there are existing antennas from other systems that are available and would fit into this operation. This is, I believe, true of the S-band antennas for the special S-band system.

25X1

[Redacted]  
Development Branch  
DPD-DD/P

Distribution:  
O-C/DB/DPD  
1-DB/DPD

DPD/DB/SEP:rel